AMENDMENTS TO THE CLAIMS

Claims 1-15 (Cancelled)

16. **(Currently Amended)** A receptacle for separating molten lead from slag, the receptacle comprising a base with a side wall extending from the base, the side wall defining a melting zone cavity having a top opening into the receptacle, and the side wall having a collecting cavity set into the side wall and protruding outward from the side wall, wherein said collecting cavity comprises a cavity within the melting zone cavity, wherein the collecting cavity is sized to collect a predetermined amount of molten lead.

17. **(Previously presented)** A receptacle according to Claim 16 wherein the collecting cavity is located proximate the top opening of the receptacle.

18. **(Previously presented)** A receptacle according to Claim 16 wherein barrier means is provided between the collecting cavity and the opening of the receptacle, to trap molten lead in the collecting cavity.

19. **(Previously presented)** A receptacle according to Claim 16 wherein the collecting cavity is formed within a removable plug which is attachable to the side wall of the receptacle.

20. **(Previously presented)** A receptacle according to Claim 16 including a first spout located at the top opening, above the collecting cavity.

21. **(Previously presented)** A receptacle according to Claim 20 including a second spout located at the top opening, diametrically opposed to the first spout.

22. **(Previously presented)** A receptacle according to Claim 16 wherein the receptacle is also a melting pot for an induction furnace.

23. **(Canceled)**

24. **(Previously presented)** A method of separating molten lead from slag, in the receptacle of Claim 16, the method including the steps of:

(1) introducing a slag with a predetermined amount of molten lead therein into the receptacle;

(2) turning the receptacle in a first direction toward the collecting cavity so that the molten lead fills and is retained within the cavity, and turning the receptacle further so that the slag is discharged from the opening;

(3) turning the receptacle in a second direction so that the molten lead flows out of the collecting cavity;

(4) turning the receptacle further so that the molten lead flows out of the opening; and

(5) collecting the lead discharged from the opening.

25. **(Previously presented)** A method according to claim 24 wherein the receptacle is a melting pot surrounded by an electromagnetic coil and the electromagnetic coil is turned together with the melting pot.

Claims 26-37 (Cancelled)

38. **(NEW)** A receptacle for separating molten lead from slag, the receptacle comprising a base with a side wall extending from the base, the side wall defining a melting zone cavity having a top opening into the receptacle, and the side wall having a collecting cavity set into the side wall and having a separate opening within the side wall, wherein said collecting cavity comprises a cavity within the melting zone cavity, wherein the collecting cavity is sized to collect a predetermined amount of molten lead.

39. **(NEW)** A receptacle according to Claim 38 wherein the collecting cavity is located proximate the top opening of the receptacle.

40. **(NEW)** A receptacle according to Claim 38 wherein barrier means is provided between the collecting cavity and the opening of the receptacle, to trap molten lead in the collecting cavity.

41. **(NEW)** A receptacle according to Claim 38 wherein the collecting cavity is formed within a removable plug which is attachable to the side wall of the receptacle.

42. **(NEW)** A receptacle according to Claim 38 including a first spout located at the top opening, above the collecting cavity.

43. **(NEW)** A receptacle according to Claim 42 including a second spout located at the top opening, diametrically opposed to the first spout.

44. **(NEW)** A receptacle according to Claim 38 wherein the receptacle is also a melting pot for an induction furnace.

45. **(NEW)** A method of separating molten lead from slag, in the receptacle of Claim 48, the method including the steps of:

(1) introducing a slag with a predetermined amount of molten lead therein into the receptacle;

(2) turning the receptacle in a first direction toward the collecting cavity so that the molten lead fills and is retained within the cavity, and turning the receptacle further so that the slag is discharged from the opening;

(3) turning the receptacle in a second direction so that the molten lead flows out of the collecting cavity;

(4) turning the receptacle further so that the molten lead flows out of the opening; and

(5) collecting the lead discharged from the opening.

46. **(NEW)** A receptacle for separating molten lead from slag, the receptacle comprising a base with a side wall extending from the base, the side wall defining a melting zone cavity having a top opening into the receptacle, and the side wall having a collecting cavity set into the side wall, wherein said collecting cavity comprises a cavity within the melting zone cavity, wherein the collecting cavity is sized to collect a predetermined amount of molten lead, wherein the collecting cavity is formed within a removable plug which is attachable to the side wall of the receptacle.

SUMMARY OF INTERVIEW

Applicants would like to thank the Examiner and Supervisor Jill Warden for the interview of December 20, 2004.

Exhibits and/or Demonstrations

None

Identification of Claims Discussed

Claim 16

Identification of Prior Art Discussed

Nebel, Gustav (US 862,008) and Ripich, John J. (US 2,479,641)

Proposed Amendments

Two alternate amendments for Claim 16 were discussed to include the following language with respect to the collecting cavity: 1. a separate opening within the side wall, and 2. protruding outward from the side wall.

Results of Interview

Applicants agreed to amend the claims to include the language above, and the Examiners were amenable to both amendments.